

Using Student Achievement Data to Support Instructional Decision Making Professional Development Lesson

Classroom Connections are items or activities that can be immediately implemented in classrooms and are noted by CC*

Materials Needed

Parking lot, Pencils, chart paper, sticky notes, highlighters, construction paper, bag of candy (like M&Ms)

Topic Summary

<i>Step</i>	<i>Description</i>	<i>Time (Minutes)</i>	<i>Target Audience (All, Educational Leaders, Teachers)</i>
Introduce	Use slides #1-2 to introduce the day's agenda and housekeeping. Review the agenda for the day, point out the parking lot for questions, go over participant materials, and introduce the signal that will be used to bring the group back together following a discussion. Go over group norms.	2 min.	All
Break the ice	Use slide #3 to allow participants to get acquainted with one another.	3 min.	All
Set up partners	Use slide #4 and Handout #1 for partnerships to be organized.	3 min.	All
Introduce the module	Use slides #5-7 and Handouts #2-3 to introduce the module as well as its organization.	5 min.	All
Media Overview: <i>Transforming Teaching and Learning Through the Effective Use of Data</i> (7:57 min.)	Use slide #8 and the media, <i>Transforming Teaching and Learning Through the Effective Use of Data</i> , to introduce the module. Ask participants what are the important aspects of using data in a school? Show the media clip and complete the activity "Quick Write."	13 min.	All

Practice Recommendation #1: Make Data Part of an Ongoing Cycle of Instructional Improvement

<i>Step</i>	<i>Description</i>	<i>Time (Minutes)</i>	<i>Target Audience (All, Educational Leaders, Teachers)</i>
Introduce Practice	Use slides #9-11 to state the key	3 min.	All

Recommendation #1	concepts of practice recommendation #1.		
Define Types of Assessment Data	Use slides #12-14 and handouts#4-5 to go over the types of assessment data. Include the “Types of Assessments” jigsaw activity to further participant’s understanding (handout #4). Complete the activity, “Types of Assessments” using handout #5.	31 min.	All
Listen to the audio interview: <i>Intervening Early Using Data from Multiple Assessments</i> (3:44 min.)	Use slide #15 and the audio interview to share how teachers analyze data from multiple assessments to determine students’ strengths and needs.	4 min.	All
Describe the cycle of instructional improvement Media: <i>Prepare, Inquire, Act</i> (7:34 min.)	Use slides #16-17, media clip (Prepare, Inquire, Act), and handout #6 to gain understanding of the cycle of instructional improvement. Complete the paired reading activity using handout #6 (Collaborative Teams). Show the media clip of Dr. Elizabeth City and have participants take notes.	13 min.	All
Compare and Conclude	Use slide #18 and handout #6 for participants to compare Dr. City’s explanation of the process for an ongoing cycle of instructional improvement and handout #6 from Montana’s Office of Public Instruction.	7 min.	All
Describe collaboration Media: <i>What Do You See in These Data?</i> (6:31 min.)	Use slide #19 and the media clip to describe collaboration of staff to use data effectively. Complete the Sticky Note Share Out activity.	14 min.	All
Explore the process of collaboration	Use slide #20 and handout #7 to continue exploring the process of collaboration. Complete the “Process of Collaboration” activity.	8 min.	All
	Use slide #21-22 and handouts #8-11 to describe the importance of agendas and protocols. Allow for participants to gather materials prior to completing the activity, “Identifying Key Features.”	25 min.	All
Describe the cycle for data analysis	Use slides #23-29 to share critical content for participants to understand data analysis and the problem-solving process. Use chart paper and ask a participant to write on the paper as the presenter leads “cycle for data analysis”. Clear notes for what the participant will write on the chart paper are included in the presenter’s notes.	15 min.	All

<p>Make sense of the cycle for data analysis</p> <p>Media clips: <i>Supporting Use of Data During Teacher Collaboration Time Part 1 & 2</i> (6:29 min.)</p>	<p>Use slide #30, the media clips, and handout #12 to share how theory is implemented in the “real world”. Participants will use handout #12 while viewing both media segments to take notes.</p>	7 min.	All
	<p>Use slide #31 and handouts #13-15 to apply the understanding of the cycle for data analysis. Complete the “Cycle for Data Analysis” activity.</p>	35 min.	All
	<p>Use slides #32-33 and handout #16 to apply the understanding of the cycle of instructional improvement. Complete the activity using the handout #16 (self-assessment) and the “Sticky Note Reflection” activity.</p>	28 min.	All

Practice Recommendation #2: Teach Student to Examine Their Own Data and Set Learning Goals

<i>Step</i>	<i>Description</i>	<i>Time (Minutes)</i>	<i>Target Audience (All, Educational Leaders, Teachers)</i>
<p>Introduce Practice Recommendation #2</p> <p>Media: <i>Teaching Students to Examine Their Own Data</i> (6:19 min.)</p>	<p>Use slides #34-36 and the media clip to introduce the 2nd practice recommendation its key concepts. Complete the whip around activity following the media clip.</p>	13 min.	All
<p>Describe the “Learn” component for practice recommendation #2</p> <p>Media: <i>Helping Students Gain Ownership Over Their Learning</i> (4:54 min.)</p>	<p>Use slide#37 and handout #17 to share the “learn” component for teaching students to examine their own data and set learning goals. Show the media clip and have participants use handout #17 to jot down notes while viewing. Complete the “Progression of Meaningful Feedback” activity.</p>	11 min.	All
<p>Share the “See” component for practice recommendation #2</p> <p>Media: <i>Data Boards Help Students Set Learning Goals Parts 1 & 2</i> (9:32 min.)</p>	<p>Use slides #38-39, media clips, and handouts #17-18 to share the “see” component for practice recommendation #2. Complete the video reflection activity after viewing both media clips.</p>	20 min.	All
<p>Media: <i>Go Back and Reflect</i> (4:11 min.)</p>	<p>Use slide #40, the media clip, and handout #17 to continue the “see” component for practice recommendation #2. After a brief introduction show the media clip and direct participants to the 2nd column of the handout to take notes while viewing.</p>	7 min.	All

	Allow participants time to reflect and discuss.		
Conclude and summarize	Use slides #41 and handout #19 to conclude and summarize the 2 nd practice recommendation. Complete “Challenges and Benefits” activity and share a classroom connection—Data Analysis Notebook CC*	8 min.	All
	Use slides #42-43 and handout #20 as this practice recommendation comes to a close. Each participant will need four pieces of candy as they work on the self-assessment and activity. Complete the “Self-Assessment:” activity and the pair share to wrap up this section.	25 min.	All

Practice Recommendation #3: Establish a Clear Vision for Schoolwide Data Use

<i>Step</i>	<i>Description</i>	<i>Time (Minutes)</i>	<i>Target Audience (All, Educational Leaders, Teachers)</i>
Introduce Practice Recommendation #3 Media: <i>Collaborative Structures for Data Use</i> (5:44 min.)	Use slides #44-47, handouts #21-22, and the media clip to introduce the 3 rd practice recommendation. Share the key concepts; view the media clip, and direct participants to complete the video reflection page. Referring back to handout #6 will be done.	12 min.	All
Describe the “Learn” component of the 3 rd practice recommendation Media: <i>Earning Trust</i> (2:26 min.)	Use slide #48 and the audio clip to investigate the “learn” component of the 3 rd practice recommendation. Complete the “Importance of Trust Discussion” activity.	9 min.	All
Conclude the “Learn” component of the 3 rd practice recommendation Media: <i>You Can’t Hide From the Data</i> (3:10 min.)	Use slides #49-52, the media clip, and handouts #23-24 to wrap up the 3 rd practice recommendation. Play the audio clip, complete the “Inside-Outside Circle discussion” activity, share the Next Steps handout, and complete the “Vision for Data Use Reflection” activity.	60 min.	All

Practice Recommendation #4: Provide Support that Foster a Data Driven Culture Within the School

<i>Step</i>	<i>Description</i>	<i>Time (Minutes)</i>	<i>Target Audience (All, Educational Leaders, Teachers)</i>
Introduce Practice Recommendation #4	Use slides #53-54 to introduce practice recommendation #4 along with its key	3 min.	All

	concepts.		
Media: <i>Fostering a Data Driven Culture Within a School</i> (5:55 min.)	Use slide #55, the media clip, and handout #25 to share the idea that in order to establish a culture of data use and help teachers make instructional decisions supported by student achievement data, schools and districts need to provide a range of supports. Complete the pair share activity.	10 min.	All
Describe the “Learn” component of practice recommendation #4 Media: <i>Supporting Teachers in Understanding and Using Data</i> (5:17 min.)	Use slide #56, the media clip, and handout #25-26 to share the “learn” component of practice recommendation #4. Complete the activity “Supporting Teacher Leaders Jigsaw”	12 min.	All
Conclude the “Learn” component of practice recommendation #4 Media: <i>Supporting a Culture of Data Use</i> (3:47 min.)	Use slide #57, the media clip, and handout #25 to conclude the “learn” component of practice recommendation #4. Show the video and direct participants to jot down notes on handout #25 as they view the media clip. Summarize the “learn” component.	5 min.	All
Share the “See” component for practice recommendation #4 Media: <i>Visualizing Data in the Progress Pad</i> (3:07 min.)	Use slide #58-68, the media clip, and handout #25 to share real world implementation of data driven culture within a school. Play the media clip and share the information on the next slides to discuss progress pads.	12 min.	All
Conclude practice recommendation #4	Use slide #69 and handout #27 to conclude practice recommendation #4. Complete the “Professional Development Assessment Tool” activity.	20 min	All

Practice Recommendation #5: Develop and Maintain a Districtwide Data System

<i>Step</i>	<i>Description</i>	<i>Time (Minutes)</i>	<i>Target Audience (All, Educational Leaders, Teachers)</i>
Introduce Practice Recommendation #5	Use slides #70-71 to introduce the final practice recommendation for this module as well as the key concepts.	3 min.	All
Media: <i>Developing and Maintaining a District-wide Data System</i> (5:28 min.)	Use slides #72-73 and handout #28 to continue the introduction of practice recommendation #5. Show the media clip and direct participants to take notes while they view the media. Complete the activity, “Parallelogram Summary”,	15 min.	All

	and conclude by sharing the key notes described in the presenter's notes.		
Describe the "Learn" component of practice recommendation #5 Media: <i>What Makes a High-Quality District-wide Data System?</i> (5:31 min.)	Use slide #74 and handout #28 to share the "learn" component of practice recommendation #5. As participants view the media clip they should jot ideas down on handout #29 then complete the pair share activity.	11 min.	All
Share the "See" component for practice recommendation #5 Media: <i>District Supports for Data Use</i> (3:35 min.)	Use slides #75 and handout #28 to share the "see" component for practice recommendation #5. Play the audio clip while the participants add notes to their handout #28.	4 min.	All
Share the "Do" component for practice recommendation #5	Use slide #76-77 along with handouts #29-30 to share the "Do" component for practice recommendation #5. Complete the "Identifying Questions" activity and the "Reviewing the Existing Data System" activity.	27 min.	All
Culminating Reflection	Use slides #78-79 and handout #31 to conclude the module. Complete the activity, "Culminating Reflection" and share the resources for this module.	25 min.	All